

October 6, 2003 - HRVOC Work Group Meeting

Welcome

Introductions

Review Agenda

Bob Hannah - Work Group Objectives and Schedule

Schedule

Develop a scope of services for a contract study to determine the role of HRVOC in the BR ozone problem and determine resources needed

Dec-03

Oversee contract study

May-Nov 04

Evaluate results and recommend solutions

Dec-04

Organization - group name, members

MO Current Status of 1-hr and 8-hr Ozone Attainment in BRNA

JH Defining the Problem with HRVOC (What we know)

MO Texas 2000 Air Quality Study and HRVOC Regulation

MO Louisiana Actions on HRVOC

Lowered RQ to 100lb/24hr for acetaldehyde, butenes and isomers, ethylene, propylene, toluene and combinations thereof - Permanent rule to follow.

Issued Administration Order to 20 facilities on records retention

Speciation of HRVOC in permits - ethylene, propylene, butenes

Added speciated VOC event monitors at Capitol, PA, LSU and Carville

NV Current Ozone Update - recent RQ reports, monitoring data, etc.

VA Brainstorming Session - Study Elements

Intense analysis of exceedances and near-exceedances (>110 ppb) in last 10 years

Adequacy of number and location of HRVOC monitors and meteorology stations

Accuracy of emission inventory reporting

Reporting of TRI emissions by point source or type

Use of portable analyzers for exceedance investigation/routine monitoring

Targeted modeling of HRVOC and spikes

Additional permit requirements needed

Improvement of the Ozone Action Day prediction system

Reporting on marine activities emissions

Upper air monitoring

Back-track trajectory procedures

Follow-up on RQ reports, corrective actions

Literature search

Action Items

Wrap-up Meeting schedule

Next meeting date

HRVOC Workgroup Meeting Notes

The first meeting of the HR-VOC workgroup was held at LDEQ on October 6, 2003. Bob Hannah, DEQ Deputy Secretary, stated that the workgroup would remain focused on the HRVOC problem and its relationship to the ozone spikes recorded during 2002-2003.

Core Members of the workgroup from LDEQ will be: Maurice Oubre, Chair; Jim Hazlett, Manop Vanichchagorn, Jennifer Walton, Jim Orgeron. Vivian Aucoin will participate as recorder/facilitator.

Public members are: Mike McDaniel, McDaniel and Associates; Henry Graham, LCA; Richard Metcalf, LMOGA; Maria Martinez, EPA; Chad Scott, LAWS; Gary Miller, LEAN.

LCA and LMOGA will identify those members from industry that wish to participate by the next meeting.

After presentations of the current ozone attainment status of the Baton Rouge area, the group added to the list of study elements during a brainstorming session. This list includes those items listed on the agenda.

- Intense analysis of exceedances and near-exceedances (>110 ppb) in last 10 years
- Adequacy of number and location of HRVOC monitors and meteorology stations
- Accuracy of emissions inventory reporting
- Reporting of TRI emissions by point source or type
- Use of portable analyzers for exceedance investigation/routine monitoring
- Targeted modeling of HRVOC and spikes
- Additional permit requirements needed
- Improvement of the Ozone Action Day prediction system
- Reporting on marine activities emissions
- Upper air monitoring
- Back-track trajectory procedures
- Follow-up on RQ report, corrective actions
- Literature search
- Historical trend for NO_x (similar to non-methane VOC)
- Breakdown of TRI between routine and non-routine
- Look at past exceedances with other evaluative tools
- 5 minute met data
- Closer look at what Houston did/ what worked, what didn't
- Met data from other sources
- Other traffic—pipeline, rail, truck (on-loading/off-loading)
- Upper level wind speed (UAM) Low-tech solution with balloons?
- Forecasting/Early warning system for Industry – Equipment to facilitate this program/call home/data-logger
- Seasonal emissions/start-up/shut-down
- Invite Texas member to join group

- Feasibility of open path IR

Other items discussed were funding sources, formation of sub-groups, third-party facilitator.

The next meeting will be held at LDEQ in the conference center on October 22, 2003 from 1:30-3:30pm. Meeting room will be announced prior to the meeting. At the meeting, the study elements list will be completed, the list will be categorized and sub-groups will be formed to define the elements.

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If you have any questions concerning this workgroup, please contact Maurice Oubre at maurice.oubre@la.gov.